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Applicants: John B. Harley, Judith Ann James, and Kenneth M. Kaufman

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For: *ASSAYS AND THERAPIES FOR LATENT VIRAL INFECTION*

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56 and 37 C.F.R. §1.97, Applicants submit an Information Disclosure Statement, including fifteen (15) pages of Form PTO-1449. All of the documents cited below were cited by or submitted to the Patent Office in Application Serial No. 09/718,693, filed November 22, 2000, to which the present application claims priority. Pursuant to 37 C.F.R. §1.98(d), Applicants are not enclosing copies of these publications. Copies will be provided upon request, however.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) prior to a first Office Action on the merits. It is believed that no fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge any required fees to Deposit Account No. 50-1868.

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<u>Number</u>	<u>Issue Date</u>	<u>Patentee</u>	<u>Class/Subclass</u>
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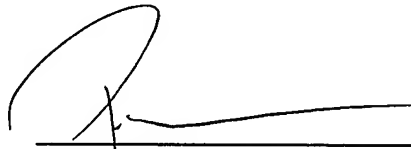
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Remarks

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicants are of the opinion that their claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,



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				Application Number		Divisional 109/718,693	
				Filing Date		August 22, 2003	
				First Named Inventor		John B. Harley	
				Group Art Unit			
				Examiner Name			
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		4,244,946		Rivier, et al.	01-13-1981	
		4,305,872		Johnston, et al.	12-15-1981	
		4,316,891		Guillemin, et al.	02-23-1982	
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		PCT	WO 98/30586		Oklahoma Medical Research Foundation	07-16-1998		
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		BRAY, et al., <i>Arch. Neurol.</i> 40: 406-408 (1983).	

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				Application Number		Divisional of 09/718,693	
				Filing Date		August 22, 2003	
				First Named Inventor		John B. Harley	
				Group Art Unit			
				Examiner Name			
Sheet	3	of	15	Attorney Docket Number		OMRF 177 DIV	

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		BROWNING, et al., <i>J. Immunol.</i> 143: 1859-1867 (1989).	
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		DEACON, et al., "Frequency of EBV DNA Detection in Sjogren's Syndrome," <i>Am J. Med.</i> 92: 453-454 (1992).	
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		DEDRICK, et al., <i>Cancer Treat. Rep.</i> 62: 1-11 (1978).	

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		First Named Inventor	John B. Harley
		Group Art Unit	
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		DELEERS, et al., <i>FEBS Lett.</i> 160: 82-86 (1983).	
		DIENER, et al., "Specific Immunosuppression by Immunotoxins Containing Daunomycin," <i>Science</i> 231(4734): 148-150 (1986).	
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		FINERTY, et al., "Protective Immunization Against Epstein-Barr Virus-Induced Disease in Cotton-top Tamarins Using the Virus Envelope glycoprotein gp340 Produced from a Bovine Papillomavirus Expression Vector," <i>J. Gen. Virol.</i> 73: 449-453 (1992).	

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		First Named Inventor	John B. Harley
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Sheet 5 of 15	Attorney Docket Number	OMRF 177 DIV	

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		FOX, "Sjogren's Syndrome," <i>Current Opin. Rheum.</i> 7: 409-416 (1995).	
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		First Named Inventor	John B. Harley
		Group Art Unit	
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		HAAHR, et al., "A Putative New Retrovirus Associated with Multiple Sclerosis and the Possible Involvement of Epstein-Barr Virus in This Disease," <i>Ann. N. Y. Acad. Sci.</i> 724: 148-156 (1996).	
		HALPERN, et al., <i>J. Nucl. Med.</i> 29: 1688-1696 (1988).	
		HARLEY & JAMES, "Epstein-Barr virus infection may be an environmental risk factor for systemic lupus erythematosus in children and teenagers," <i>Arthr. Rheum.</i> 42(8): 1782-1783 (1999).	
		HESLOP, et al., "Long-Term Restoration of Immunity Against Epstein-Barr Virus Infection by Adoptive Transfer of Gene-Modified Virus-Specific T Lymphocytes," <i>Nature Med.</i> 2: 551-555 (1996).	
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		HO, <i>Cytomegalovirus, biology and infection: current topics in infectious disease</i> Plenum Press: New York, pp. 105-118 (1982).	
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		JAMES & HARLEY, "Linear Epitope Mapping of an Sm B/B' Polypeptide," <i>J. Immunol.</i> 148: 2074-2079 (1992).	
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		JAMES, et al., "An increased prevalence of Epstein-Barr virus infection in young patients suggests a possible etiology for systemic lupus erythematosus," <i>J. Clin. Invest.</i> 100: 3019-26 (1997).	
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		KIMURA, et al., <i>Clin. Exp. Immunol.</i> 103: 192-298 (1996).	
		KITAGAWA, et al., "Detection of Antibodies to the Epstein-Barr Virus Nuclear Antigens in the Sera from Patients with Systemic Lupus Erythematosus," <i>Immunol. Lett.</i> 17:249-252 (1988).	

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		KOHLER & MILSTEIN, <i>Nature</i> 256: 495-497 (1975).	
		KOHLER & MILSTEIN, <i>Eur. J. Immunol.</i> 6: 511-519 (1976).	
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		LEVITSKAYA, "Inhibition of Antigen Processing by the Internal Repeat Region of the Epstein-Barr Virus Nuclear Antigen-1," <i>Nature</i> 375:685-688 (1995).	
		LONGNECKER & KIEFF, "A second Epstein-Barr virus membrane protein (LMP2) is expressed in latent infection and colocalizes with LMP1," <i>J. Virol.</i> 64: 2319-2326 (1990).	
		MASSEN, et al., <i>Eur. J. Biochem.</i> 134: 32 (1983).	
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		MERRIFIELD, <i>J. Am. Chem. Soc.</i> 85: 2149 (1964).	
		MIYASHITA, et al., "Identification of the site of Epstein-Barr virus persistence in vivo as a resting B cell," <i>J. Virol.</i> 71: 4882-4891 (1997).	
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		Applicant Number	Divisional of 09/718,693
		Filing Date	August 22, 2003
		First Named Inventor	John B. Harley
		Group Art Unit	
		Examiner Name	
Sheet 11 of 15	Attorney Docket Number	OMRF 177 DIV	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		NEWKIRK, et al., "Detection of Cytomegalovirus, Epstein-Barr Virus and Herpes Virus-6 in Patients with Rheumatoid Arthritis With or Without Sjogren's Syndrome," <i>Br. J. Rheum.</i> 33:317-322 (1994).	
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		Filing Date	August 22, 2003
		First Named Inventor	John B. Harley
		Group Art Unit	
		Examiner Name	
Sheet 12 of 15	Attorney Docket Number	OMRF 177 DIV	

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		REUSSER, et al., <i>J. Infect. Dis.</i> 166: 473-479 (1992).	
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		Filing Date	August 22, 2003
		First Named Inventor	John B. Harley
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		SUN, et al., <i>Hybridoma</i> 5(Supp1): S17 (1986).	
		SUNDBERG, et al., <i>Nature</i> 250: 587-588 (1974).	
		TAKEI, et al., <i>Int. Immunol.</i> 9: 739-743 (1997).	
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		THORLEY-LAWSON, et al., "Epstein-Barr virus and the B cell: that's all it takes," <i>Trends in Microbiology</i> 4(5): 204-208 (1996).	
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		VENABLES, et al., <i>Arthr. Rheum.</i> 24: 1459-1468 (1981).	
		VRISSENDORP, et al., "Radioimmunoglobulin therapy" in <i>High Dose Cancer Therapy</i> (Armitage, et al. eds) Williams & Wilkins: Baltimore, pp. 84-123 (1992).	
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		WANG, et al., <i>Radiat. Res.</i> 141: 292-302 (1995).	
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		WATSON, et al., "Certain Properties Make Substances Antigenic," in <i>Molecular Biology of the Gene</i> , Fourth Edition, page 836, paragraph 3, (The Benjamin/Cummings Publishing Company, Menlo Park, 1987).	
		WHITLEY, "Herpes Simplex viruses" in <i>Field's Virology</i> Lippincott-Raven, pp. 2297-2330 (1996).	

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